



PRODUCT ANNOUNCEMENT

Emery Oleochemicals LLC Launches 100% Renewably-Derived Antifogging Agent, LOXIOI[®] A 4 SPEZIAL, in North America

Cincinnati, OH, USA (Apr. 4, 2017) - Emery Oleochemicals LLC is pleased to announce the North American market launch of LOXIOI[®] A 4 SPEZIAL, a 100% renewably-derived antifogging agent and an excellent alternative to NPEs (nonylphenol ethoxylate).

The use of NPEs is already banned by the European Union. While the phase-out of NPEs currently may be done on a voluntary basis in the U.S., large consumer companies like Wal-Mart are encouraging suppliers to reduce or even eliminate the use of NPEs due to their potential impact on human health and the environment.

LOXIOI[®] A 4 SPEZIAL has food contact approval. Acting as an antifogging agent, LOXIOI[®] A 4 SPEZIAL can be incorporated into the polymer during the extrusion process. By using this antifogging agent in food wrap, condensed water droplets are spread into a thin continuous layer of water, improving the transparency of the packaging and durability of the contents. LOXIOI[®] A 4 SPEZIAL is specifically designed to match the key properties and effective performance of NPEs typically used in these PVC foods wrapping films while providing a safe, renewable and readily biodegradable alternative. The use of LOXIOI[®] A 4 SPEZIAL as an antifogging agent in agricultural films improves light transmission which results in higher plant growth rates, higher crop yields per plant, and earlier crop maturity.

Dr. Harald Klein, Global Business Director, Green Polymer Additives stated, "LOXIOI[®] A 4 SPEZIAL is a highly efficient, phenol-free solution which is derived from 100% renewable raw material. It adds another excellent local offering to our customers that further supports our vision to be 'The First Choice in Sustainable Polymer Additives' by offering high-performance and greener alternatives."

"Based on the advantages that LOXIOI[®] A 4 SPEZIAL offers the market compared to NPEs, and by expanding our global manufacture of this product to now include capabilities at our bio-based ester production facility located in Cincinnati, Ohio, Emery is in an excellent position to supply and meet the local needs of our customers," commented Michael Hoppe, Senior Sales Manager at Emery Oleochemicals LLC.

Emery Oleochemicals' Green Polymer Additives (GP) product portfolio also includes lubricants, plasticizers, viscosity regulators, antistatic agents and release agents. All products are made from sustainable materials that are formulated to optimize production and improve process efficiencies.



Our LOXIOI[®], EDENOL[®] and EMEROX[®] brands are known globally as high quality, reliable products for the plastics industry.

To learn more about Emery Oleochemicals' Green Polymer Additives product offerings, visit: <http://greenpolymeradditives.emeryoleo.com/additives/>

About Emery Oleochemicals Group

Emery Oleochemicals Group is a leading producer of natural-based chemicals made predominantly from natural oils and fats such as plant-based oil and tallow. We offer an extensive product portfolio, including renewable solutions for the Agro Green, Bio-Lubricants, Eco-Friendly Polyols, Green Polymer Additives, Home & Personal Wellness and OleoBasics markets. With revenue of US\$600million (2016), the company is headquartered in Malaysia and has manufacturing plants and Technical Development Centers spanning three continents – North America, Europe and Asia Pacific. Emery Oleochemicals' global operations are supported by a diverse workforce and an extensive global distribution network covering over 50 countries worldwide. For more information, visit www.emeryoleo.com.

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